

ORDER FOR SUPPLIES OR SERVICES										PAGE 1 OF 2 PAGES	
IMPORTANT: Mark all packages and papers with contract and/or order numbers.											
1. DATE OF ORDER 10/28/10		2. CONTRACT NO. (if any) EP-W-07-071		3. ORDER NO. 0014		4. REQUESTION REFERENCE NO. PR-HQ-11-10129		5. ISSUING OFFICE (Address correspondence to) U.S. Environmental Protection Agency 6207J		6. SHIP TO: a. NAME OF CONSIGNEE LEIF E. HOCKSTAD, TOPO b. STREET ADDRESS 1200 PENNSYLVANIA AVE, NW 6007J c. CITY WASHINGTON d. STATE DC e. ZIP CODE 20460	
7. TO:											
a. NAME OF CONTRACTOR PERRIN QUARLES ASSOCIATES, INC. b. COMPANY NAME											
c. STREET ADDRESS 652 PETER JEFFERSON PKWY, SUITE 300 d. CITY Charlottesville e. STATE VA f. ZIP CODE 22911											
8. ACCOUNTING AND APPROPRIATION DATA See Attached											
9. BUSINESS CLASSIFICATION (Check appropriate box(es)) a. SMALL b. OTHER THAN SMALL c. DISADVANTAGED d. WOMEN OWNED											
10. F.O.B. POINT Same as Block 6											
11. PLACE OF a. INSPECTION Same as Block 6 b. ACCEPTANCE Same as Block 6											
12. SCHEDULE (See reverse for Rejections)											
ITEM NO. (a)											
SUPPLIES OR SERVICES (b)											
QUANTITY ORDERED (c)											
UNIT (d)											
UNIT PRICE (e)											
AMOUNT (f)											
QUANTITY ACCEPTED (g)											
The total estimated cost for the task order entitled, "Development of Information Management System for Greenhouse Gas Data" is \$176,013.00, with a level of effort of 1,945 direct labor hours. The period of performance is from the effective date of award thru 15 July 2011. The obligation in the amount of \$176,013.00 fully funds this task order.											
13. SHIPPING POINT											
14. GROSS SHIPPING WEIGHT											
15. INVOICE NO.											
16. MAIL INVOICE TO:											
17. NAME U.S. Environmental Protection Agency											
18. STREET ADDRESS (or P.O. Box) RTP-Finance Center (D143-02) 109 T.W. Alexander Drive											
19. CITY Durham											
20. STATE NC											
21. ZIP CODE 27711											
22. UNITED STATES OF AMERICA BY (Signature) FAYE SAS TITLE: CONTRACTING/ORDERING OFFICER											

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Development of Information Management System for Greenhouse Gas Data

Contract: EP-W-07-071, Task Order: 0014

Lead PR Number: PR-HQ-11-10129

Summary Information

Title: Development of Information Management System for Greenhouse Gas Data
Period of Performance: From: 10/28/10 To: 07/15/11
Award Date:
Total Funding: \$176,013.00

Accounting/Appropriation Data

POP	DCN	BFYS	Fund	Org	PRC	Site/ Project	Cost Org	Obj Class	Amount	P / C
Opt 3	FC0418	18	B	58F7	185A46C	LSMD0888		2505	\$176,013.88	P

Funding Breakout

Acct. Info	Funding Category	Amount
FY2010 - FC0418	Cost Ceiling	\$176,013.00
Total:		\$176,013.00

Procurement Management Roles**TASK ORDER PROJECT OFFICER:**

U.S. E.P.A.
Attn: LEIF E. HOCKSTAD
1200 PENNSYLVANIA AVE, NW
WASHINGTON, DC 20460
Mail Code: 6207J
Phone Number: (202) 343-9432
Fax Number: (202) 343-2359
E-Mail Address: hockstad.leif@epa.gov

ALTERNATE TASK ORDER PROJECT OFFICER:

U.S. E.P.A.
Attn: BRIAN B. COOK
1200 PENNSYLVANIA AVE, NW
WASHINGTON, DC 20460
Mail Code: 6207J
Phone Number: (202) 343-9135
Fax Number: (202) 343-2359
E-Mail Address: cook.brianb@epa.gov

Task Order Totals

Category	POP	Amount
Cost Ceiling	Option 3	\$176,013.00

Development of Information Management System for Greenhouse Gas Data

Contract: EP-W-07-071, Task Order: 0014

Lead PR Number: PR-HQ-11-10129

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POP	DCN	BFYS	Fund	Org	PRC	Site/ Project	Cost Org	Obj Class	Amount	P / C
Opt 3	FC0418	10	B	58F7	185A46C	LSMD0888		2585	\$176,813.00	P

Funding Breakout

Acct. Info	Funding Category	Amount
FY2010 - FC0418	Cost Ceiling	\$176,013.00
Total:		\$176,013.00

Procurement Management Roles**TASK ORDER PROJECT OFFICER:**

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Task Order Totals

Category	POP	Amount
Cost Ceiling	Option 3	\$176,013.00

Development of Information Management System for Greenhouse Gas Data

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Summary Information

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Period of Performance: From: 10/20/10 To: 07/15/11
Award Date:
Total Funding: \$176,013.00

Accounting/Appropriation Data

POP	DCN	BFYS	Fund	Org	PRC	Site/ Project	Cost Org	Obj Class	Amount	P / C
Opt 3	FC0410	10	B	58F7	185A46C	LSMD0808		2585	\$176,813.80	P

Funding Breakout

Acct. Info	Funding Category	Amount
FY2010 - FC0410	Cost Ceiling	\$176,013.00
Total:		\$176,013.00

Procurement Management Roles**TASK ORDER PROJECT OFFICER:**

U.S. E.P.A.
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Task Order Totals

Category	POP	Amount
Cost Ceiling	Option 3	\$176,013.00

**TASK ORDER
STATEMENT OF WORK**

I. INTRODUCTION

The Climate Change Division (CCD) in the U.S. Environmental Protection Agency's (EPA) Office of Air and Radiation's Office of Atmospheric Programs works to assess and address global climate change and the associated risks to human health and the environment. CCD plays a key role in U.S. and international efforts to address climate change by developing and analyzing greenhouse gas data.

II. BACKGROUND AND PURPOSE

**TASK ORDER
STATEMENT OF WORK**

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II. BACKGROUND AND PURPOSE

The following subsection describes the programs area and activities that the Contractor will support through the tasks in Section III.

Greenhouse Gas Information Management System

The functions of the greenhouse gas (GHG) Inventory Management System (IMS) will be developed through the tasks in Section III. The GHG IMS will consist of an Oracle 11g database host system residing on a centralized server, and multiple Windows desktop computers running application software at EPA and external locations. EPA users will access the host via the Intranet and external users will gain access through the firewall using a secure connection. All greenhouse gas data will be stored in the database at the host site, with the TOPO's preference for the final database system to be hosted at EPA's National Computer Center (NCC) in Raleigh, NC.

The Contractor shall continue to refine existing software architecture, improve interface software based on TOPO comments, and prioritize data element relationships following TOPO technical direction, which will support future use of the GHG IMS by EPA.

III. STATEMENT OF WORK TASKS

The Contractor shall furnish the necessary personnel, material, equipment, services and facilities to provide technical and analytical support in the task listed below in support of the program areas outlined in Section II. The purpose of the GHG IMS software developed in the following tasks is to serve as a repository for data gathered in support of the program areas outlined in Section I. The purpose of the Section III tasks listed below is primarily to develop the working software structure of the GHG IMS and its basic functionalities.

The actual calculation and population of new data for the annual UNFCCC submission in the GHG IMS software will not occur under these tasks. No duplication of work initiated through other task orders or work assignments will be performed.

Task I Project Management

The Contractor shall provide project management under this task, and shall submit a Monthly Status Report to EPA's TOPO and Contracting Officer (CO) in accordance with the Project Reporting section below. During the Period of Performance, the Contractor shall immediately inform the TOPO and CO by telephone and/or email of any problems that may impede performance along with any corrective actions needed by the EPA or the Contractor to solve the problem.

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Under this Task, the Contractor shall also attend a kick-off meeting, either via conference call or in-person, whichever is most cost effective to the Government, to discuss the goals and strategy for completing the deliverables. At the kick-off meeting the TOPO will discuss the current state of the GHG IMS, discuss priority areas in the task areas, and prepare a timeline for soliciting technical feedback from the TOPO on experiences in using the beta version of the GHG IMS software. The Contractor, under this Task, will also attend a wrap-up meeting at the end of the period of performance to discuss work completed under the Tasks in Section III.

Deliverables and schedule under Task 1:

	Task 1 Deliverable	Due Date
Task 1.1	Attend Kick-off Meeting	Within 2 weeks of award of Task Order
Task 1.2	Monthly Status Report	By 10th business day each month
Task 1.3	Attend End of POP Meeting	At least 2 weeks prior to end of the Period of Performance, per TOPO direction

Task 2

Data Migration and Refinement of Data Element Structures

Under this Task, the Contractor shall continue development of the primary functions of the GHG IMS database to link data elements necessary for the storing, calculation, and addition of GHG data developed in conjunction with the annual U.S. GHG Inventory. For the purposes of this task, data migration is in reference to the storage of calculation methodologies, and related data elements to those calculations, inherent in the producing the annual U.S. GHG Inventory. Newer iterations of calculation methodologies and data elements shall be placed in the GHG IMS, and the Contractor shall respond to TOPO technical direction on the most efficient and accurate manner in which to migrate that data and set systems in place for allowing for future calculations from that data.

Additional data migrations will occur under this task introducing the necessary data element structures and relationships for various sectors as defined by the Intergovernmental Panel on Climate Change (IPCC) (which may include, but not be limited to, Agriculture and Land Use, Land-Use Change and Forestry).

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The Contractor, relying on TOPO technical direction, shall, as part of the data migration, devise procedures for handling naming conventions of data elements, reconciling and, if necessary, eliminating duplicate information, and simplifying and codifying standard reference constants to eliminate duplicate or conflicting data elements. The Contractor shall work closely with the TOPO to design data element relationships, after data migration is complete, to handle complex data element interactions across source categories and source category lead responsibilities (in conjunction with work which will be undertaken in Task 3). As part of the data migration, duplicative calculation procedures currently embedded in the calculations of the annual U.S. GHG Inventory shall be codified to allow for streamlined data element interactions and subsequent calculated data element creation with in the GHG IMS.

Deliverables and schedule under Task 2:

Task	Task 2 Deliverable	Due Date
Task 2.1	Data Migrations Structure Charts based on IPCC sectors	Within 2 weeks of TOPO technical direction for each IPCC sector
Task 2.2	Progress reports on data migration from updated U.S. GHG Inventory	Within 2 weeks of TOPO technical direction for each IPCC sector
Task 2.3	Status reports on methodological refinements based on updated data migration efforts	Within 2 weeks of TOPO technical direction for each IPCC sector
Task 2.4	Archive functionality testing of prior data migration	Within 6 months of TOPO technical direction
Task 2.5	Software Updates	Quarterly after award of Task Order

**Task 3
Development of Ancillary Data Set Design and Functions**

Under this Task, the Contractor shall continue development of the architecture of the IMS design, with a focus on building out structures and components of the IMS to handle ancillary data sets. These ancillary data sets will not be used directly in the calculation functions of the IMS, but will serve as repositories for additional, related data to the inventory calculations that can be uploaded to the IMS. The Contractor shall design the structure for housing these data sets, and further refine query tools, as directed by the TOPO. For example, facility level data may be exported from other database systems outside of IMS, and would be able to be uploaded in to IMS for comparative purposes. The Contractor will work with the TOPO to explore further design features to enhance the operability of users experiences with this data.

The Contractor shall refine the overall modules to allow access to the ancillary data sets, while allowing primary calculation functions to continue to orient user interfaces, as developed under Task 4. The primary goal of this task to develop housing for data not related to calculations of GHG emissions, but noting that the primary goal of the overall GHG IMS is to provide the functions to calculated GHG emissions.

The Contractor, relying on TOPO technical direction, shall, as part of the data migration, devise procedures for handling naming conventions of data elements, reconciling and, if necessary, eliminating duplicate information, and simplifying and codifying standard reference constants to eliminate duplicate or conflicting data elements. The Contractor shall work closely with the TOPO to design data element relationships, after data migration is complete, to handle complex data element interactions across source categories and source category lead responsibilities (in conjunction with work which will be undertaken in Task 3). As part of the data migration, duplicative calculation procedures currently embedded in the calculations of the annual U.S. GHG Inventory shall be codified to allow for streamlined data element interactions and subsequent calculated data element creation with in the GHG IMS.

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Task 2.2	Progress reports on data migration from updated U.S. GHG Inventory	Within 2 weeks of TOPO technical direction for each IPCC sector
Task 2.3	Status reports on methodological refinements based on updated data migration efforts	Within 2 weeks of TOPO technical direction for each IPCC sector
Task 2.4	Archive functionality testing of prior data migration	Within 6 months of TOPO technical direction
Task 2.5	Software Updates	Quarterly after award of Task Order

**Task 3
Development of Ancillary Data Set Design and Functions**

Under this Task, the Contractor shall continue development of the architecture of the IMS design, with a focus on building out structures and components of the IMS to handle ancillary data sets. These ancillary data sets will not be used directly in the calculation functions of the IMS, but will serve as repositories for additional, related data to the inventory calculations that can be uploaded to the IMS. The Contractor shall design the structure for housing these data sets, and further refine query tools, as directed by the TOPO. For example, facility level data may be exported from other database systems outside of IMS, and would be able to be uploaded in to IMS for comparative purposes. The Contractor will work with the TOPO to explore further design features to enhance the operability of users experiences with this data.

The Contractor shall refine the overall modules to allow access to the ancillary data sets, while allowing primary calculation functions to continue to orient user interfaces, as developed under Task 4. The primary goal of this task to develop housing for data not related to calculations of GHG emissions, but noting that the primary goal of the overall GHG IMS is to provide the functions to calculated GHG emissions.

Deliverables and schedule under Task 3:

	Task 3 Deliverable	Due Date
Task 3.1	Proposed ancillary data structure design	Within 2 weeks of TOPO technical direction
Task 3.2	Refined Functionality Testing	Within 4 months of award of Task Order
Task 3.3	Refined Security Testing	Within 6 months of award of Task Order
Task 3.4	Documentation	Within 6 months of award of Task Order

Task 4

User Interface and Data Administration Enhancements

The user interface for the GHG IMS features an interface to the database similar to Windows Explorer, to facilitate ease of use. A tree control structure within the interface allows users to expand and collapse portions of the visible database in a manner that is similar to working with folders and files in Windows.

Under this Task, the Contractor shall refine the existing beta version of the user interface based on comments and technical direction from the TOPO. Such refinements will include expanded source category management per administrative privileges granted to the user roles developed under Task 3. The work under this task for the user interface will also include the development of a "calculator" tool, which will allow source category users to improve estimation methodologies and subsequent data element relationships. Also within this task, the Contractor shall develop methodology for running recalculations for the entire inventory. This methodology shall include the appropriate user interfaces and quality assurance checks to ensure calculations are carried out accurately and appropriately. This functionality shall also include the ability to turn on and off automatic recalculations of the inventory based on user preference.

The Contractor shall design basic analytical tools accessed via the user interface, based on TOPO technical guidance, which may include, but not be limited to, recalculation analyses, uncertainty analyses, "bottom-up" data comparisons, and bulk export of calculated GHG data elements. All analytical tools will be linked to specific user privileges developed under Task 3.

Under this Task, the Contractor shall also continue development of the primary functions of the GHG IMS database design to manage data administration. These will include version control of iterative development databases, and control functions for access to these databases.

Deliverables and schedule under Task 3:

	Task 3 Deliverable	Due Date
Task 3.1	Proposed ancillary data structure design	Within 2 weeks of TOPO technical direction
Task 3.2	Refined Functionality Testing	Within 4 months of award of Task Order
Task 3.3	Refined Security Testing	Within 6 months of award of Task Order
Task 3.4	Documentation	Within 6 months of award of Task Order

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Under this Task, the Contractor shall also continue development of the primary functions of the GHG IMS database design to manage data administration. These will include version control of iterative development databases, and control functions for access to these databases.

The Contractor shall also engage in a deployment strategy for distribution of installation software for the user interface to EPA source category leads, and potentially their contractor support (if requested specifically by the TOPO during the period of performance). Such deployment will be done in conjunction with the necessary procedures for installation on EPA's Customer Technology Solutions (CTS) computer system.

Deliverables and schedule under Task 4:

	Task 4 Deliverable	Due Date
Task 4.1	Reaction to refined User Interface Designs	Within 4 weeks of TOPO technical direction
Task 4.2	Refined User Interface Functionality Testing	Within 6 months of award of Task Order
Task 4.3	Security Testing	Within 6 months of award of Task Order
Task 4.4	Documentation	Within 6 months of award of Task Order
Task 4.5	Reports and Custom Query Module Designs	Within 6 months of TOPO technical direction
Task 4.6	Software Updates	Quarterly after award of Task Order

**Task 5
Network & Architecture Support**

The Contractor shall provide support to the TOPO on issues related to the deployment of the IMS on the available EPA network. Currently, the beta version of the GHG IMS being tested resides on the Contractor's server. This task would include the installation and testing of network software to the uses of the data system. As work is completed under that tasks included in this statement of work, improving the fundamental structure and interface of the GHG IMS, work will begin on a strategy for migration to EPA's host server.

Such work could also include requested support to the TOPO with the installation of Aventail (Anytime Anyplace Access) to users outside EPA's firewall, or requested support with the Application Deployment Checklist (ADC) submission for use of EPA's NCC.

Deliverables and schedule under Task 5:

	Task 5 Deliverable	Due Date
Task 5.1	Documentation of Network & Architecture issues and solutions	As determined by the TOPO
Task 5.2	Software Installation and Testing	As determined by the TOPO
Task 5.3	Support for Application	As determined by the TOPO

The Contractor shall also engage in a deployment strategy for distribution of installation software for the user interface to EPA source category leads, and potentially their contractor support (if requested specifically by the TOPO during the period of performance). Such deployment will be done in conjunction with the necessary procedures for installation on EPA's Customer Technology Solutions (CTS) computer system.

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Task 4.4	Documentation	Within 6 months of award of Task Order
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Task 5.2	Software Installation and Testing	As determined by the TOPO
Task 5.3	Support for Application	As determined by the TOPO

Task 5.4	Deployment Checklist Strategy for migration of GHG IMS to EPA's host server	As determined by the TOPO
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III. PROJECT REPORTING

Monthly Status Report

The Contractor shall provide monthly status reports that shall include, at a minimum, the following information for each of the above tasks and a summary of all tasks:

- Activities of the past month – a summary of the actions taken and progress made on all outstanding tasks for the past month.
- Activities of the next month – a review of the work planned to be done to meet task requirements.
- Problems/Issues – a discussion of problems or difficulties either anticipated or encountered.
- Hours – as applicable, total hours expended during the month, and cumulative total to date. Hours expended must be identified by individual and labor category.
- Funds – as applicable, total funds expended during the month, cumulative total to date, outstanding commitments, and percentage of approved funds spent to date.

Distribution of Deliverables

All deliverables including status reports between the Contractor and the Government shall be delivered as:

- One copy in paper or electronic format to the EPA TOPO and EPA Contracting Officer.
- The Contractor shall deliver all draft, and final reports, briefing materials and minutes, data sets, etc. in hard copy or electronic format (HTML, Visio, Microsoft Word, Acrobat, etc. as appropriate) via a delivery service or electronic mail.
- The Contractor shall submit a Letter of Transmittal with each deliverable, unless otherwise noted, which includes, at a minimum, the task/deliverable identified, type (draft or final), due date, submission date, deliverable name, and name of EPA TOPO.
- Upon the EPA TOPO's acceptance of the last module for each application, the Contractor shall deliver one copy of the final source code, executable code, and Final Specifications Manual to the EPA TOPO and EPA Contracting Officer on one or more CD(s).

The U.S. EPA TOPO will review deliverables for technical content, completeness, and grammar. Final inspection, testing and acceptance of all reports, code, and other deliverables will be performed by the EPA TOPO or other individual(s) designated as subject matter technical expert(s) by the EPA TOPO.

IV. PERIOD OF PERFORMANCE

The period of performance for this Task Order is from date of award to July 18, 2011.

Task 5.4	Deployment Checklist Strategy for migration of GHG IMS to EPA's host server	As determined by the TOPO
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ORDER FOR SUPPLIES OR SERVICES						PAGE OF PAGES	
IMPORTANT: Mark all packages and papers with contract and/or order numbers.						1	2
1. DATE OF ORDER 10/28/2010		2. CONTRACT NO. (If any) EP-W-07-071		6. SHIP TO:			
3. ORDER NO. 14		4. REQUISITION/REFERENCE NO.		a. NAME OF CONSIGNEE OAROAPCCD			
5. ISSUING OFFICE (Address correspondence to) HPOD US ENVIRONMENTAL PROTECTION AGENCY HEADQUARTERS PROCUREMENT OPERATIONS ARIEL RIOS BUILDING 1200 PENNSYLVANIA AVENUE NW WASHINGTON DC 20460				b. STREET ADDRESS US ENVIRONMENTAL PROTECTION AGENCY 1200 PENNSYLVANIA AVENUE NW MAIL CODE 62107J OAPCCD			
				c. CITY WASHINGTON		d. STATE DC	e. ZIP CODE 20460
7. TO: NA				f. SHIP VIA			
a. NAME OF CONTRACTOR SYSTEMS RESEARCH AND APPLICATIONS CORPORATION				8. TYPE OF ORDER			
b. COMPANY NAME				<input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY			
c. STREET ADDRESS 4300 FAIR LAKES COURT				REFERENCE YOUR: Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.			
d. CITY FAIRFAX		e. STATE VA		f. ZIP CODE 22033		Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE HPODOECA			
11. BUSINESS CLASSIFICATION (Check appropriate box(es))						12. F.O.B. POINT Destination	
<input type="checkbox"/> a. SMALL <input checked="" type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> g. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. EMERGING SMALL BUSINESS							
13. PLACE OF		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)		16. DISCOUNT TERMS	
a. INSPECTION Destination		b. ACCEPTANCE Destination					
17. SCHEDULE (See reverse for Rejections)							
ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)	
	DUNS Number: (b)(4) Development of Information Management System for Greenhouse Gas Data TOPO: Leif Hockstad Max Expire Date: 07/15/2011 Continued ...						
18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)	
21. MAIL INVOICE TO:							
a. NAME RTP FINANCE CENTER						\$176,013.00	
b. STREET ADDRESS US ENVIRONMENTAL PROTECTION AGENCY RTP-FINANCE CENTER D143-02 109 TW ALEXANDER DRIVE							
c. CITY DURHAM							
d. STATE NC							
e. ZIP CODE 27711						\$176,013.00	
22. UNITED STATES OF AMERICA BY (Signature)				23. NAME (Typed) Margaret Kline TITLE: CONTRACTING/ORDERING OFFICER			

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 10/28/2010	CONTRACT NO. EP-W-07-871	ORDER NO. 14
-----------------------------	-----------------------------	-----------------

ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	Admin Office: HPOD US ENVIRONMENTAL PROTECTION AGENCY HEADQUARTERS PROCUREMENT OPERATIONS ARIEL RIOS BUILDING 1200 PENNSYLVANIA AVENUE NW WASHINGTON DC 20468 Accounting Info: 10-11-B-58F7-105A46C-2585-LSMD0888-1058FC041 8-001 BFF: 18 BFF: 11 Fund: B Budget Org: 58F7 Program (PRC): 105A46C Budget (BOC): 2505 Job #: LSMD0800 DCN - Line 1B: 1058FC0410-001 Period of Performance: 10/28/2010 to 07/15/2011 Order Ceiling and Funding for BASE Period Order Ceiling and Funding for Option Period III				176,013.80	

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(b))	\$176,013.00
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OPTIONAL FORM 348 (Rev. 4/2009)
Prescribed by GSA FPMR (41 CFR) 101-11.6

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 10/28/2010	CONTRACT NO. EP-W-07-871	ORDER NO. 14
-----------------------------	-----------------------------	-----------------

ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	Admin Office: HPOD US ENVIRONMENTAL PROTECTION AGENCY HEADQUARTERS PROCUREMENT OPERATIONS ARIEL RIOS BUILDING 1288 PENNSYLVANIA AVENUE NW WASHINGTON DC 20468 Accounting Info: 10-11-B-58F7-185A46C-2585-LSMD8888-1858FC041 8-881 BFF: 10 BFF: 11 Fund: B Budget Org: 58F7 Program (PRC): 185A46C Budget (BOC): 2505 Job #: LSMD0080 DCN - Line 1B: 1058FC0418-001 Period of Performance: 10/28/2010 to 07/15/2011 Order Ceiling and Funding for BASE Period Order Ceiling and Funding for Option Period III				176,013.80	

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(b))	\$176,013.00
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OPTIONAL FORM 348 (Rev. 4/2009)
Prescribed by GSA FPMR (41 CFR) 101-11.6

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 10/28/2010	CONTRACT NO. EP-W-87-871	ORDER NO. 14
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
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TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(b))	\$176,013.00
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OPTIONAL FORM 348 (Rev. 4/2009)
Prescribed by GSA FPMR (41 CFR) 101-11.6

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 001		3. EFFECTIVE DATE 07/19/2011		4. REQUISITION/PURCHASE REQ. NO.	
5. PROJECT NO. (If applicable)		6. ISSUED BY HPD		7. ADMINISTERED BY (If other than Item 6) HPD	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) SYSTEMS RESEARCH AND APPLICATIONS CORPORATION ATTN NA 4300 FAIR LAKES COURT FAIRFAX VA 22033		9A. AMENDMENT OF SOLICITATION NO.		9B. DATED (SEE ITEM 11)	
CODE (b)(4)		FACILITY CODE		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-07-071 14 10B. DATED (SEE ITEM 13) 10/28/2010	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return _____ 0 _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: (b)(4)

The purpose of this modification is to provide a no cost extension to September 30, 2011 and to designate Margaret Kline as the Contracting Officer and Administrative Contracting Officer. The Alt COR is Brian Cook.

TOPO: Leif Hockstad Max Expire Date: 09/30/2011

Continued ...

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Margaret Kline	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA (Signature of Contracting Officer)	16C. DATE SIGNED

CONTINUATION SHEET		REFERENCE NO. OF DOCUMENT BEING CONTINUED EP-W-07-071/14/001		PAGE OF 2 2	
NAME OF OFFEROR OR CONTRACTOR SYSTEMS RESEARCH AND APPLICATIONS CORPORATION					
ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment: RTP FINANCE CENTER US ENVIRONMENTAL PROTECTION AGENCY RTP-FINANCE CENTER MAIL DROP D143-02 109 TW ALEXANDER DRIVE DURHAM NC 27711 Period of Performance: 10/20/2010 to 09/30/2011				

NON 7546-01-152-0007

OPTIONAL FORM 330 (4-00)
Sponsored by GSA
FAR (48 CFR) 53.110

CONTINUATION SHEET		REFERENCE NO. OF DOCUMENT BEING CONTINUED EP-W-07-071/14/001		PAGE OF 2 2	
NAME OF OFFEROR OR CONTRACTOR SYSTEMS RESEARCH AND APPLICATIONS CORPORATION					
ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment: RTP FINANCE CENTER US ENVIRONMENTAL PROTECTION AGENCY RTP-FINANCE CENTER MAIL DROP D143-02 109 TW ALEXANDER DRIVE DURHAM NC 27711 Period of Performance: 10/20/2010 to 09/30/2011				

NON 7546-01-152-0007

OPTIONAL FORM 330 (4-00)
Sponsored by GSA
FAR (48 CFR) 53.110

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AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES 1 3	
2. AMENDMENT/MODIFICATION NO. 002		3. EFFECTIVE DATE 09/21/2011		4. REQUISITION/PURCHASE REQ. NO. PR-OAR-11-01926	
5. PROJECT NO. (If applicable)		6. ISSUED BY HPD		7. ADMINISTERED BY (If other than Item 6) HPD	
HPD US ENVIRONMENTAL PROTECTION AGENCY HEADQUARTERS PROCUREMENT OPERATIONS ARIEL RIOS BUILDING 1200 PENNSYLVANIA AVENUE NW WASHINGTON DC 20460		HPD US ENVIRONMENTAL PROTECTION AGENCY HEADQUARTERS PROCUREMENT OPERATIONS ARIEL RIOS BUILDING 1200 PENNSYLVANIA AVENUE NW WASHINGTON DC 20460			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) SYSTEMS RESEARCH AND APPLICATIONS CORPORATION ATTN NA 4300 FAIR LAKES COURT FAIRFAX VA 22033		(x)		9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-07-071 14	
				10B. DATED (SEE ITEM 13) 10/28/2010	
CODE (b)(4)		FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

Net Increase:

\$57,796.00

See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return _____ 0 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: (b)(4)

The purpose of this modification is to provide a no cost extension, increase the total estimated cost of the task order, increase the level of effort, obligate funds, and incorporate two tasks into the statement of work.

The completion date is changed to December 31, 2011. The total estimated cost is increased by \$57,796 from \$176,013 to \$233,809. The level of effort is increased by 615 labor hours from 1,945 to 2,560 labor hours. \$57,796 is obligated to fully fund the additional work. Tasks 6 and 7 are incorporated into the statement of work.

Incorporated into the Statement of Work:

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Margaret Kline	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA (Signature of Contracting Officer)	16C. DATE SIGNED

NAME OF OFFEROR OR CONTRACTOR
SYSTEMS RESEARCH AND APPLICATIONS CORPORATION

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Task 6 Develop Facility Counts</p> <p>The Contractor shall develop national counts of affected facilities in the energy, industrial, commercial, and residential sector/subsectors that would be captured at different threshold levels for the tailoring rule. Methodologies used for developing counts should be based on similar methods used in developing the proposed GHG mandatory reporting rule and the final tailoring rule.</p> <p>Task 6 Deliverable Task 6. Draft Summary Table of Facility Counts Due date: One month from date of award</p> <p>Task 7 Prepare Summary Report</p> <p>The Contractor shall prepare a summary report of the methodologies used to determine the facility counts and results of the work conducted in task 6 that will serve as TSD for a potential permit threshold rulemaking.</p> <p>Task 7 Deliverable Task 7.1 Draft summary report with facility counts Due Date: Two months from date of award Task 7.2 Final summary report with facility counts Due Date: September 30, 2011 or per written technical directive.</p> <p>COR: Leif Hockstad Alt COR: Erien Cook CO and Admin CO: Margaret Kline TOPO: Leif Hockstad Max Expire Date: 12/31/2011 Delivery Location Code: GAR/OAQPS/AQPD GAR/OAQPS/AQPD US ENVIRONMENTAL PROTECTION AGENCY MAIL CODE C504-01 109 TW ALEXANDER DRIVE DURHAM NC 27711 USA</p> <p>Continued ...</p>				

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B002	Payment: RTP FINANCE CENTER US ENVIRONMENTAL PROTECTION AGENCY RTP-FINANCE CENTER D143-02 109 TW ALEXANDER DRIVE DURHAM NC 27711 FOB: Destination Period of Performance: 10/28/2010 to 12/31/2011 SRA EP-W-07-071 - GHG Tailoring Rule Step 3 Accounting Info: 11-11-B-53H4-101A50B-2505-1153HP1017-001 BFY: 11 EFY: 12 Fund: B Budget Org: 53H4 Program (PRC): 101A50B Budget (BOC): 2505 DCN - Line ID: 1153HP1017-001 Funding Flag: Partial Funded: \$57,796.88				57,796.08

NAME OF OFFEROR OR CONTRACTOR
SYSTEMS RESEARCH AND APPLICATIONS CORPORATION

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
0002	Payment: RTP FINANCE CENTER US ENVIRONMENTAL PROTECTION AGENCY RTP-FINANCE CENTER D143-02 109 TW ALEXANDER DRIVE DURHAM NC 27711 FOB: Destination Period of Performance: 10/28/2010 to 12/31/2011 SRA EP-W-07-071 - GHG Tailoring Rule Step 3 Accounting Info: 11-12-B-53H4-101A50B-2505-1153HP1017-BB1 BFY: 11 EFY: 12 Fund: B Budget Org: 53H4 Program (PRC): 101A50B Budget (BOC): 2505 DCN - Line ID: 1153HP1017-001 Funding Flag: Partial Funded: \$57,796.80				57,796.08

NAME OF OFFEROR OR CONTRACTOR
SYSTEMS RESEARCH AND APPLICATIONS CORPORATION

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